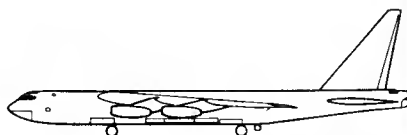
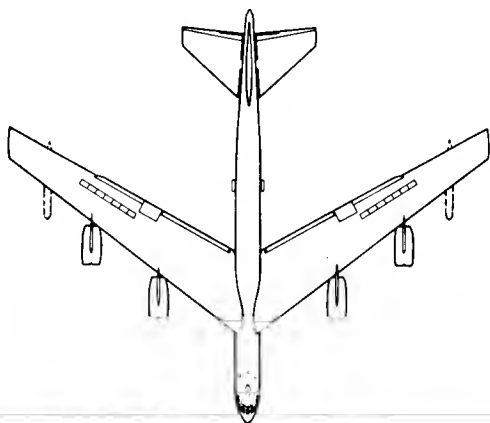


Characteristics Summary

BOMBER (RECONN. VERSION) B-52C



STRATOFORTRESS

BOEING

Wing Area 4000 sq ft

Length 156.6 ft

Span 185.0 ft

Height (overall) 48.3 ft

Height (fin folded) 20.8 ft

AVAILABILITY

Number available

ACTIVE

RESERVE

TOTAL

PROCUREMENT

Number to be delivered in fiscal years

STATUS

1. Design Initiated: Dec 53
2. First Flight: Mar 56
3. First delivery to SAC: June 56
4. The B-52C (Reconn Version) has the reconnaissance capsule in the bomb bay.

5. Major differences of the B-52C(Reconn Version) from the B-52B with -19W engines is the increase in fuel tank capacity. B-52B's contained within A.F. Serial Nos. 52-004 thru 53-376 have the -1W engine. See Note (e)

Navy Equivalent: None

Mfr's Model: 464-201-6

POWER PLANT

(8) J57-P-19W or -29WA

Pratt & Whitney

ENGINE RATINGS

S.L.S. LB **RPM -MIN
 Max: *12,100-6450/9900-5
 Mil: 10,500-6150/9900-30
 Nor: 9000-5900/9650-Cont
 *Wet

**First figure represents low pressure spool; second figure represents high pressure spool.

Note: At present there are no requirements for ATO

FEATURES

Crew 8

Cabin Pressurization,
 Heating and Cooling
 Braking Parachute
 Quadricycle Landing Gear
 Interchangeable Reconnaissance Capsule
 Crosswind Landing Gear
 MA-6A Bombing-Nav. System
 A-3A Fire Control System
 Thermal Anti-Icing
 Aerodynamic Spoilers (Air-brake)
 2 (3000 Gal) Wg, Drop Fuel Tanks
 Folding Fin

Max Fuel Cap: 41,550 gal

ARMAMENT

Turret 1
 Guns 4 x .50 cal (M-3)
 Ammunition (tot)... 2400 rds
 BOMBS:
 Nr Class (lb)
 24(M-120A-1 Flash Bombs)
 165

CAMERAS

| Nr | Type | Lens |
|--------------------------|-----------------|------|
| Multi Camera Station | | |
| 4 | K-38 | 36" |
| or | | |
| 1 | K-38 | 12" |
| Tri Camera Station | | |
| 3 | T-11 | 6" |
| or | | |
| 1 | K-37 (Vertical) | 12" |
| or | | |
| 1 | K-36 | 24" |
| 1. *0-15 Radar recording | | |
| *No fixed station | | |

1 JUL 58

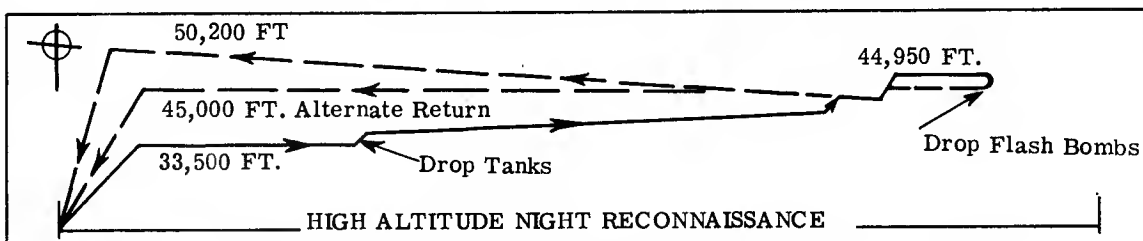
UNCLASSIFIED

B-52C
(RECONN. VERSION)

Black Book
 5th Ed
 Williamson Vol 7
 21 July 59

57WC-498.3

401

Characteristics Summary Basic Mission B-52C(Reconn)**P E R F O R M A N C E**

| COMBAT RADIUS | FERRY RANGE | S P E E D |
|---|---|--|
| 3285 naut. mi with 3960 lb payload at 453 knots avg. in 14.57 hours. | 6705 naut. mi with 41,550 gal fuel at 453 knots avg. in 14.86 hours at(c)447,955lb T.O. wt. | COMBAT 493 knots at 44,950 ft alt, mil power MAX 551 (d) knots at 20,200 ft alt, mil power BASIC 519 knots at 35,000 ft alt, mil power |
| C L I M B | C E I L I N G | T A K E - O F F |
| 2225 fpm sea level, take-off weight normal power | 37,550 ft 100 fpm, take-off weight normal power | ground run 8000 ft no assist — ft assisted |
| 5170 fpm sea level, combat weight military power | 45,850 ft 500 fpm, combat weight military power | over 50 ft height 10,300ft no assist — ft assisted |
| L O A D | W E I G H T S | S T A L L I N G S P E E D |
| Flash bombs: 24 x M-120A-1 3960 lb Ammunition: 2400 rds/50 cal Fuel: 41,255 gal protected 61.6 % droppable 14.4 % external 14.4 % | Empty..... 168,737 lb Combat... 289,900 lb Take - off (b)450,000 lb limited by structure | 147 knots, initial buffet, power-off, landing config- uration, take-off weight T I M E T O C L I M B — |

N O T E S

- Performance Basis:
 - (a) Data source: Flight test
 - (b) Excludes 2500 lb water.
 - (c) Limited by fuel capacity
 - (d) Limited by structure.
 - (e) O.W.E. increases approximately 2000 lbs on B-52 airplanes utilizing the J57-P-29WA engines resulting in a minor range decrease for a given T.O. Weight.
- Revision Basis: To reflect change in security classification.

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